

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/09/01

Date Received: 03/02/01

Project: Metro Self Monitor, PO# M65529

Date Extracted: 03/05/01

Date Analyzed: 03/08/01

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M65529 103016-01	0.85	0.80	0.92	0.11
Method Blank	<0.05	<0.05	<0.05	<0.05

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**QUALITY ASSURANCE RESULTS
FROM TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Laboratory Code: 102112-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.60	0.61	2	0-20
Copper	mg/L (ppm)	1.05	1.02	3	0-20
Nickel	mg/L (ppm)	0.68	0.71	4	0-20
Zinc	mg/L (ppm)	0.10	0.10	0	0-20

Laboratory Code: 102112-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/L (ppm)	5	0.60	97	97	80-120	0
Copper	mg/L (ppm)	5	1.05	90	87	80-120	3
Nickel	mg/L (ppm)	10	0.68	106	100	80-120	6
Zinc	mg/L (ppm)	5	0.10	109	110	80-120	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/L (ppm)	5	101	99	80-120	2
Copper	mg/L (ppm)	5	102	101	80-120	1
Nickel	mg/L (ppm)	10	101	100	80-120	1
Zinc	mg/L (ppm)	5	104	102	80-120	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 9, 2001

DUPLICATE COPY

INVOICE #01ACU0309-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M65529 - Results of testing requested by
Gerry Thompson for material submitted on March 2, 2001.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010B @ \$80 per sample	<u>\$ 80.00</u>
Amount Due	\$ 80.00

FEDERAL TAX ID #(b) (6)

103016

SAMPLE CHAIN OF CUSTODY

KT 3-2-01

A21

AKC-00097

Send Report To Gerry ThompsonCompany Alaskan Copper WorksAddress 628 South HanfordCity, State, ZIP Seattle, WA 98134Phone # 382-8379 Fax # 382-4309SAMPLERS (signature) 

PROJECT NAME/NO.

PO #

metro self monitor

m65529

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions


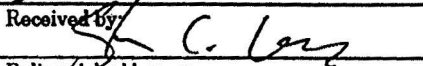
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	Cr, Cu, Ni & Zn														Notes
m65529	-61	3/1/01	11:30	H ₂ O	1	✓														

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 	TRAVIS Westbrook	ACW	3/1/01	1:05
Received by: 	Steven Wines	FBI	3-2-01	1:05
Relinquished by: -				
Received by:				

FRIEDMAN & BRUYA, INC.

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March 9, 2001

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

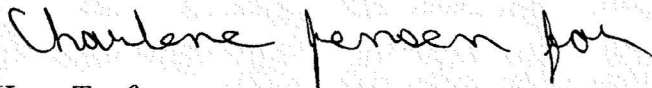
Dear Mr. Thompson:

Included are the results from the testing of material submitted on March 2, 2001 from your Metro Self Monitor, PO# M65529 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton
Project Manager

Enclosures
ACU0309R.DOC